Open access at the IUCr

The International Union of Crystallography is a scientific union adhering to the International Science Council (ISC). Its objectives are to promote international cooperation in crystallography and to contribute to all aspects of crystallography, to promote international publication of crystallographic research, to facilitate standardization of methods, units, nomenclatures and symbols, and to form a focus for the relations of crystallography to other sciences.

IUCr Journals

IUCr publishing

We are a small society publisher:
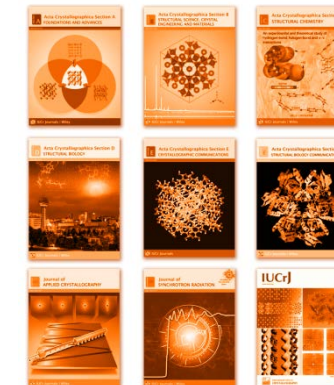
    10 Journals

    3 Open access, self-published

    6 Hybrid with transformative agreements, co-published with Wiley

    1 Open access, co-published with Wiley, flipped in 2022

We have authors in over 135 countries

We aim to make a small profit (~10%) for supporting educational and outreach activities

IUCr journals are committed to open-access publication

IUCr Journals

Our unusual characteristics

- We are an International Union and a publisher

- We develop standards, e.g. for data exchange, and promote them by publication

- We validate and peer review data for publication

- We publish journal articles with open data and visualization tools

- We run all our journals systems (submission, peer review, typesetting, online hosting) in-house

- We have highly integrated and automated publishing systems

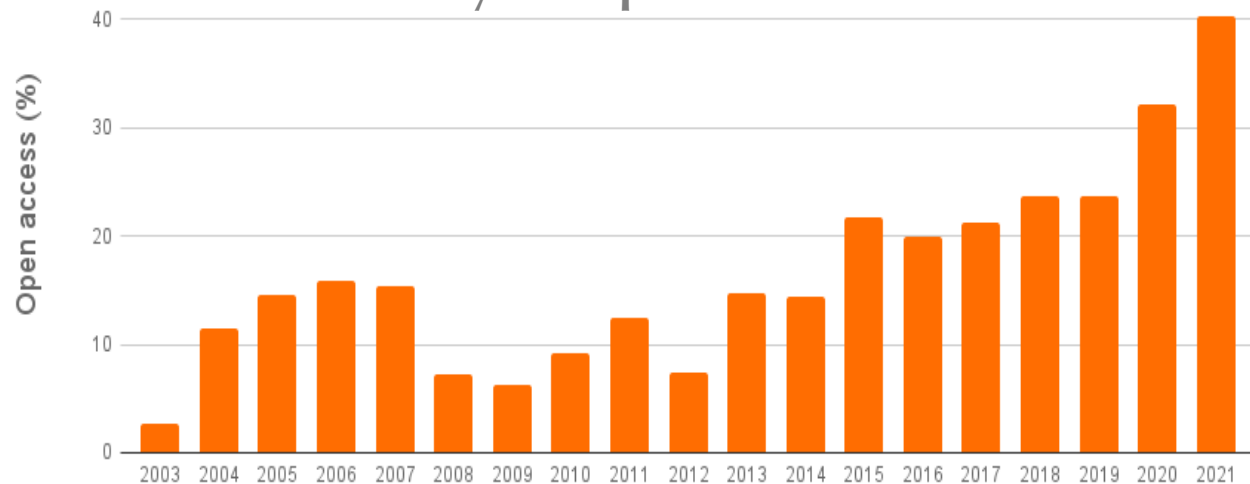The IUCr supports the principles of transparency and openness in scientific research

IUCr Journals

Open-access articles
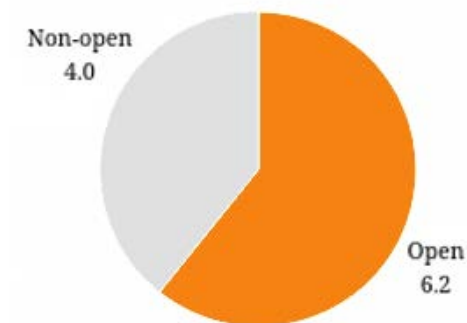
2003   Started publishing hybrid open access across our journals

2004-2007 JISC pilot to publish UK articles open access

2008   Flipped *Acta Crystallographica E* to open access

2014   Launched open-access *IUCrJ*

2016   Launched open-access *IUCrData*

2018   First read and publish agreements via Wiley

2019   Modifications to licencing to conform to Plan S requirements

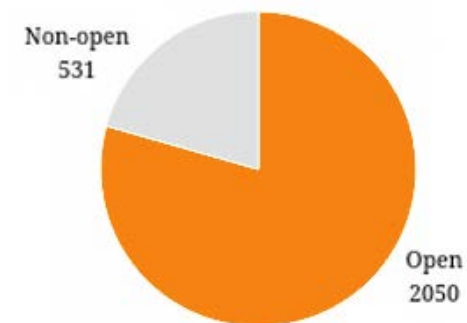2022   Flipped *Journal of Synchrotron Radiation* to open access

2019-2022

Citations per article

Non-open 4.0

Open 6.2

Views per article

Non-open 531

Open 2050

Growth of hybrid open access

IUCr Journals

Part I: The Plan S Principles

"With effect from 2021, all scholarly publications on the results from research funded by public or private grants provided by national, regional and international research councils and funding bodies, must be published in Open Access Journals, on Open Access Platforms, or made immediately available through Open Access Repositories without embargo."

In addition:

01 Authors or their institutions retain copyright to their publications. All publications must be published under an open license, preferably the Creative Commons Attribution license (CC BY), in order to fulfil the requirements defined by the Berlin Declaration;

02 The Funders will develop robust criteria and requirements for the serv... Open Access platfo...

03 In cases wh... platforms ... way, provide incenti... appropriate; suppor... infrastructures wher...

04 Where app... covered by... individual researche... be able to publish th...

05 The Funde... Open Acce... publication fees are... publication services... transparent to infor... standardisation and...

06 The Funders encourage governments, universities, research organisations, libraries, academies, and learned societies to align their strategies, policies, and practices, notably to ensure transparency.

07 The above principles shall apply to all types of scholarly publications, but it is understood that the timeline to achieve...

Is this compliant with Plan S ?

JOURNAL
Acta Crystallographica Section D Struc

+

MY FUNDER
Wellcome

+

MY INSTITUTION
Lund University

Lund University, Sweden
(ROR:012a77v79)

☐ *No affiliation*

=

Yes, this combination is compliant.

IUCr Journals aim to be compliant with Plan S principles, including providing transparent information on pricing

IUCr Journals

Read and publish deals

Waivers

We offer read and publish deals via Wiley for our hybrid journals

Direct APC payment is available for all journals

Waivers are available for our full open-access journals

IUCr Journals

US policy and green open access

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

August 25, 2022

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Dr. Alondra Nelson
            Deputy Assistant to the President and Deputy Director for Science and Society
            Performing the Duties of Director
            Office of Science and Technology Policy (OSTP)

SUBJECT: Ensuring Free, Immediate, and Equitable Access to Federally Funded Research

This memorandum provides policy guidance to federal agencies with research and development expenditures on updating their public access policies. In accordance with this memorandum,

We provide a version of record reprint for authors to post in a repository without embargo

We provide XML to PMC for NIH-funded biomedical articles

Supporting data are all given a DOI and published open access

IUCr Journals

Some challenges of open-access publishing

Potential for lower revenues

Temptation to lower standards to increase revenues

Open-access policies favour the big deal approach

Adoption of policies from subscription publishing

Business model for open access remains uneven, with different situations applying to corresponding authors in different countries

IUCr
Journals

IUCr publishing - the next few years

- Continue to work with a publication partner

- Continue to self-publish current open-access journals

- Look carefully at what other society publishers are doing and explore other models

- Develop and market 'pure publish' deals for our open-access journals

- Move towards full open-access publication (with or without a publication partner), but then
  - Accept lower revenues from open access than from subscription publishing
  - Accept that journals that currently have little open-access content may fail
  - Work towards cutting costs to ensure the journals are sustainable

IUCr Journals

Final comments

- Open access is the way forward and has great benefits such as

  - Increased citation and usage

  - Greater public engagement

  - Faster impact

  - Widest possible publication

- Scientific societies remain crucial to the development of science, and will need to continue to derive income from publishing activities

- Publishing modes and roles will continue to change, and we will all need to adapt to this, while maintaining standards

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Journals